Access Control Through Secure Channel Using Personal Identification System

ABSTRACT

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A security system based on a tamper resistant badge that becomes deactivated if the badge is removed from the person authorized to wear the badge. The badge has a volatile memory for storing the security clearance information associated with the wearer and a processor having sufficient power to perform encrypted communications. The badge also has

10   an attachment sensor that resets the security clearance information if the badge is removed from the wearer. A secure data processing system utilizing the badges includes an administrative computer, A, and a client computer, C. Computer A has an identity verification system for authenticating the identity of individuals having badges and loading the clearance information into the volatile memory after the badge is attached to the wearer.

15   The C computers access the information in the badge's volatile memory to provide access to the wearer at the access level specified in the volatile memory.